Your search matched **1** of **1046194** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

term document matrix Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

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1 **Fuzzy multisets and fuzzy clustering of documents**
Miyamoto, S.;
Fuzzy Systems, 2001. The 10th IEEE International Conference on , Volume: 3
Dec. 2001
Pages:1539 - 1542

[Abstract] [PDF Full-Text (389 KB)] **IEEE CNF**

Your search matched **0** of **1046194** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

vector <and> (steepest descent) <and> (document Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

---

Results:
No documents matched your query.

IEEE Xplore® RELEASE 1.7

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United States Patent and Trademark Office

Try our New Full-text Search Prototype GO

Help

1) Enter a single keyword, phrase, or Boolean expression.
Example: acoustic imaging (means the phrase acoustic imaging plus any stem variations)
2) Limit your search by using search operators and field codes, if desired.
Example: optical <and> (fiber <or> fibre) <in> ti
3) Limit the results by selecting Search Options.
4) Click Search. See Search Examples

```
vector <and> (steepest
descent) <and> (document <or>
text)
```

Start Search Clear

Note: This function returns plural and suffixed forms of the keyword(s).

Search operators: <and> <or> <not> <in> More

Field codes: au (author), ti (title), ab (abstract), jn (publication name), de (index term) More

Search Options:

Select publication types:

- [x] IEEE Journals
- [x] IEE Journals
- [x] IEEE Conference proceedings
- [x] IEE Conference proceedings
- [x] IEEE Standards

Select years to search:

From year: 1951 to 2001

Organize search results by:

Sort by: Relevance

In: Descending order

List 15 Results per page

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vector <and> (steepest descent)

Start Search Clear

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Search operators: <and> <or> <not> <in> More

Field codes: au (author), ti (title), ab (abstract), jn (publication name), de (index term) More

Search Options:

Select publication types:

- [x] IEEE Journals
- [x] IEE Journals
- [x] IEEE Conference proceedings
- [x] IEE Conference proceedings
- [x] IEEE Standards

Select years to search:

From year: 1951 to 2001

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Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

(text mining) <and> (extract* <near/2> feature*) Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

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1 **Massively parallel distributed feature extraction in textual data min using HDDI™**
Kuntraruk, J.; Pottenger, W.M.;
High Performance Distributed Computing, 2001. Proceedings. 10th IEEE International Symposium on , 7-9 Aug. 2001
Pages:363 - 370

[Abstract] [PDF Full-Text (520 KB)] **IEEE CNF**

Your search matched **0** of **1046194** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

(latent semantic) <and> (steepest descent) Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

---

Results:
No documents matched your query.

09/871272

Terms used **basis vector** AND **text mining** OR **term document matrix**

Found **66** of **138,663**

Sort results by publication date

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 20 of 66 Result page: **1** 2 3 4 next

Relevance scale

1 Reputation networks: Propagation of trust and distrust

R. Guha, Ravi Kumar, Prabhakar Raghavan, Andrew Tomkins

May 2004 **Proceedings of the 13th conference on World Wide Web**

Full text available: pdf(201.51 KB) Additional Information: full citation, abstract, references, index terms

A (directed) network of people connected by ratings or trust scores, and a model for propagating those trust scores, is a fundamental building block in many of today's most successful e-commerce and recommendation systems. We develop a framework of trust propagation schemes, each of which may be appropriate in certain circumstances, and evaluate the schemes on a large trust network consisting of 800K trust scores expressed among 130K people. We show that a small number of expressed trusts/distru ...

Keywords: distrust, trust propagation, web of trust

2 Smoothed analysis of algorithms: Why the simplex algorithm usually takes polynomial time

Daniel A. Spielman, Shang-Hua Teng

May 2004 **Journal of the ACM (JACM)**, Volume 51 Issue 3

Full text available: pdf(1.05 MB) Additional Information: full citation, abstract, references, index terms

We introduce the *smoothed analysis of algorithms*, which continuously interpolates between the worst-case and average-case analyses of algorithms. In smoothed analysis, we measure the maximum over inputs of the expected performance of an algorithm under small random perturbations of that input. We measure this performance in terms of both the input size and the magnitude of the perturbations. We show that the simplex algorithm has *smoothed complexity* polynomial in the input size and ...

Keywords: Simplex method, complexity, perturbation, smoothed analysis

3 Datapath and control for quantum wires

Nemanja Isailovic, Mark Whitney, Yatish Patel, John Kubiatowicz, Dean Copsey, Frederic T. Chong, Isaac L. Chuang, Mark Oskin

March 2004 **ACM Transactions on Architecture and Code Optimization (TACO)**, Volume 1 Issue 1

Full text available: pdf(476.83 KB) Additional Information: full citation, abstract, references, index terms

Nothing Found

Your search for **+"text mining" +"steepest descent"** did not return any results.

You may want to try an Advanced Search for additional options.

Please review the Quick Tips below or for more information see the Search Tips.

Quick Tips

- Enter your search terms in lower case with a space between the terms.

  ```
  sales offices
  ```

  You can also enter a full question or concept in plain language.

  ```
  Where are the sales offices?
  ```

- Capitalize proper nouns to search for specific people, places, or products.

  ```
  John Colter, Netscape Navigator
  ```

- Enclose a phrase in double quotes to search for that exact phrase.

  ```
  "museum of natural history" "museum of modern art"
  ```

- Narrow your searches by using a + if a search term must appear on a page.

  ```
  museum +art
  ```

- Exclude pages by using a - if a search term must not appear on a page.

  ```
  museum -Paris
  ```

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

```
museum +"natural history" dinosaur -Chicago
```

Nothing Found

Your search for **+"term document matrix" +"steepest descent"** did not return any results.

You may want to try an Advanced Search for additional options.

Please review the Quick Tips below or for more information see the Search Tips.

Quick Tips

- Enter your search terms in lower case with a space between the terms.

  ```
  sales offices
  ```

  You can also enter a full question or concept in plain language.

  ```
  Where are the sales offices?
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  ```
  John Colter, Netscape Navigator
  ```

- Enclose a phrase in double quotes to search for that exact phrase.

  ```
  "museum of natural history" "museum of modern art"
  ```

- Narrow your searches by using a + if a search term must appear on a page.

  ```
  museum +art
  ```

- Exclude pages by using a - if a search term must not appear on a page.

  ```
  museum -Paris
  ```

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

```
museum +"natural history" dinosaur -Chicago
```

Terms used **term document matrix steepest descent** OR **updat** OR **vector** OR **feature**

Found **38** of **138,663**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 20 of 38 Result page: **1** 2 next

Relevance scale

1 Text categorization: A maximal figure-of-merit learning approach to text categorization

Sheng Gao, Wen Wu, Chin-Hui Lee, Tat-Seng Chua

July 2003 **Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval**

Full text available: pdf(334.63 KB) Additional Information: full citation, abstract, references, index terms

A novel maximal figure-of-merit (MFoM) learning approach to text categorization is proposed. Different from the conventional techniques, the proposed MFoM method attempts to integrate any performance metric of interest (e.g. accuracy, recall, precision, or F1 measure) into the design of any classifier. The corresponding classifier parameters are learned by optimizing an overall objective function of interest. To solve this highly nonlinear optimization problem, we use a generalized probabilistic ...

Keywords: decision tree, generalized probabilistic descent method, latent semantic indexing, maximal figure-of-merit, support vector machines, text categorization

2 Computational Methods for Intelligent Information Access

Michael W. Berry, Susan T. Dumais, Todd A. Letsche

December 1995 **Proceedings of the 1995 ACM/IEEE conference on Supercomputing (CDROM)**

Full text available: pdf(375.60 KB) html(3.13 KB) Additional Information: full citation, references, citings

3 A semidiscrete matrix decomposition for latent semantic indexing information retrieval

Tamara G. Kolda, Dianne P. O'Leary

October 1998 **ACM Transactions on Information Systems (TOIS)**, Volume 16 Issue 4

Full text available: pdf(201.61 KB) Additional Information: full citation, abstract, references, citings, index terms, review

The vast amount of textual information available today is useless unless it can be effectively and efficiently searched. The goal in information retrieval is to find documents that are relevant to a given user query. We can represent and document collection by a matrix whose (i, j) entry is nonzero only if the ith term appears in the jth document; thus each document corresponds to a columm vector. The query is also represented as a column v ...

Terms used **latent semantic steepest descent** Found **4** of **138,663**

Sort results by relevance Save results to a Binder

Display results expanded form Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 4 of 4

Relevance scale

1 Bead: explorations in information visualization

Matthew Chalmers, Paul Chitson

June 1992 **Proceedings of the 15th annual international ACM SIGIR conference on Research and development in information retrieval**

Full text available: pdf(822.89 KB) Additional Information: full citation, abstract, references, citings, index terms

We describe work on the visualization of bibliographic data and, to aid in this task, the application of numerical techniques for multidimensional scaling. Many areas of scientific research involve complex multivariate data. One example of this is Information Retrieval. Document comparisons may be done using a large number of variables. Such conditions do not favour the more well-known methods of visualization and graphical analysis, as it is rarely feasible to map each variable ...

2 Kernel independent component analysis

Francis R. Bach, Michael I. Jordan

March 2003 **The Journal of Machine Learning Research**, Volume 3

Full text available: pdf(561.46 KB) Additional Information: full citation, abstract, references, citings, index terms

We present a class of algorithms for independent component analysis (ICA) which use contrast functions based on canonical correlations in a reproducing kernel Hilbert space. On the one hand, we show that our contrast functions are related to mutual information and have desirable mathematical properties as measures of statistical dependence. On the other hand, building on recent developments in kernel methods, we show that these criteria and their derivatives can be computed efficiently. Minimizi ...

Keywords: Stiefel manifold, blind source separation, canonical correlations, gram matrices, incomplete Cholesky decomposition, independent component analysis, integral equations, kernel methods, mutual information, semiparametric models

3 Research track: Towards systematic design of distance functions for data mining applications

Charu C. Aggarwal

August 2003 **Proceedings of the ninth ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available: pdf(215.19 KB) Additional Information: full citation, abstract, references, index terms

Distance function computation is a key subtask in many data mining algorithms and

applications. The most effective form of the distance function can only be expressed in the context of a particular data domain. It is also often a challenging and non-trivial task to find the most effective form of the distance function. For example, in the text domain, distance function design has been considered such an important and complex issue that it has been the focus of intensive research over three decad ...

Keywords: data mining, distance functions, user interaction

4 FastMap: a fast algorithm for indexing, data-mining and visualization of traditional and multimedia datasets

Christos Faloutsos, King-Ip Lin

May 1995 **ACM SIGMOD Record , Proceedings of the 1995 ACM SIGMOD international conference on Management of data**, Volume 24 Issue 2

Full text available: pdf(1.21 MB) Additional Information: full citation, abstract, references, citings, index terms

A very promising idea for fast searching in traditional and multimedia databases is to map objects into points in *k*-d space, using *k* feature-extraction functions, provided by a domain expert [25]. Thus, we can subsequently use highly fine-tuned spatial access methods (SAMs), to answer several types of queries, including the 'Query By Example' type (which translates to a range query); the 'all pairs' query (which translates to a spatial join [8]); the nearest-neighbor or best-match ...

Results 1 - 4 of 4

L Number	Hits	Search Text	DB	Time stamp
1	1	("20020031260").PN.	USPAT; US-PGPUB	2004/06/27 14:18
2	138	text adj mining	USPAT; US-PGPUB	2004/06/27 14:26
3	192	text adj mining	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 14:26
4	1	(text adj mining) and (steep$3 adj descent$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 14:27
5	26	(text adj mining) and (extract$3 near3 feature$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 14:27
6	4	(text adj mining) and (basis adj vector$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 14:27
7	12	(text adj mining) and (matrix near4 (index$2 or term$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 14:28
8	34	((text adj mining) and (extract$3 near3 feature$1)) or ((text adj mining) and (basis adj vector$1)) or ((text adj mining) and (matrix near4 (index$2 or term$1)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 14:28
9	33	(((text adj mining) and (extract$3 near3 feature$1)) or ((text adj mining) and (basis adj vector$1)) or ((text adj mining) and (matrix near4 (index$2 or term$1)))) not ((text adj mining) and (steep$3 adj descent$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 15:03
10	49	(term adj2 document) adj matrix	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 15:04
11	968	steepest adj descent	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 15:04
12	1	((term adj2 document) adj matrix) and (steepest adj descent)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 15:05
13	90	vector with (steepest adj descent)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 15:06
14	12	(vector with (steepest adj descent)) and (document$1 or text or textual)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 15:06
15	11	((vector with (steepest adj descent)) and (document$1 or text or textual)) not ((text adj mining) and (steep$3 adj descent$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 15:15

16	1	((term adj2 document) adj matrix) near4 updat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/27 15:16